

January 4, 2000

MEMBERS AND ALTERNATES,
CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE

1999 ANNUAL REPORT

This 1999 annual report of actions taken by the California Traffic Control Devices Committee is respectfully submitted in compliance with the CTCDC Bylaws.

Sincerely,

Jack M. Kletzman
Executive Secretary, CTCDC

CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE 1999 ANNUAL REPORT

This report is prepared in compliance with Article V of the bylaws of the California Traffic Control Devices Committee.

1999 Voting Members

Mr. Ray Mellen	Chairman, Auto Club of Southern California, 3333 Fairview Road, A131 Costa Mesa, CA 92626Chairman
Mr. John Wallo	Vice Chairman, CSAC, San Luis Obispo County County Engineering Department, Room 207 San Luis Obispo, CA 93408
Mr. James Larsen	Vice Chairman CSAC, Tulare County Resource Management Agency 908 S. Giddings Street Visalia, CA 93277
Ms. Merry Banks	California State Automobile Association, 150 Van Ness Avenue San Francisco, CA 94102-1860
Mr. Bruce Carter	CSAC, Shasta County, Department of Public Works, 1855 Placer Street Redding, CA 96001
Mr. Dick Folkers	LOCC, City of Palm Desert, 73-510 Fred Waring Drive Palm Desert, CA 92260
Mr. Gerry Meis	California Department of Transportation, 1120 N Street Sacramento, CA 95814
Mr. Farhad Mansourian	CSAC, Marin County Department of Public Works, P.O. Box 4186 San Rafael, CA 94913
Capt. Stan Perez	California Highway Patrol, 2555 First Avenue Sacramento, CA 95818
Mr. Wayne Tanda	LOCC, City of San Jose, 4 North Second Street, Suite 1000 San Jose, CA 95113San Luis Obispo, CA 93408

Secretary

Mr. Jack Kletzman	California Department of Transportation, 1120 N Street Sacramento, CA 95814
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The following alternate members were designated by the parent organizations to act in the absence of their appointed delegates:

Mr. Richard Backus	Auto Club of Southern California, 3333 Fairview Road, A131 Costa Mesa, CA 92626
Lt. Pat Brunette & Lt. Teresa Becher	California Highway Patrol, 2555 First Avenue Sacramento, CA 95818
Mr. John Fisher	LOCC, City of Los Angeles, Department of Transportation 221 North Figueroa Street, Room 500 Los Angeles, CA 90012
Mr. Jack Kletzman	California Department of Transportation, 1120 N Street Sacramento, CA 95814
Mr. Dwight Ku	California State Automobile Association, 980 Ninth Street, Suite 1520 Sacramento, CA 95814
Mr. James Larsen	CSAC, Tulare County Resource Management Agency 908 S. Giddings Street Visalia, CA 93277
Mr. Farhad Mansourian	CSAC, Marin County Department of Public Works, P.O. Box 4186 San Rafael, CA 94913
Mr. John Presleigh	CSAC, Santa Cruz County Department of Public Works 701 Ocean Street Santa Cruz, CA 95060
Mr. John Squier	CSAC, Los Angeles County Department of Public Works, 900 South Fremont Avenue Alhambra, CA 91803
Mr. Ed Von Borstel	LOCC, City of Modesto, Department of Public Works, P.O. Box 642 Modesto, CA 95353

MEETINGS

March 18, 1999	County Council Chambers Marin County Civic Center	San Rafael
July 22, 1999	District Auditorium Caltrans, District 11	San Diego
November 19, 1999	Headquarters Auditorium Caltrans, Headquarters	Sacramento

**1999 CTCDC
AGENDA ITEMS**

<u>Agenda Item No.</u>	<u>Title</u>
90-7	BICYCLE SIGNAL HEADS
94-10	PEDESTRIAN SIGNAL HEAD
96-3	ILLUMINATED LEFT TURN YIELD SIGN
98-2	FLASHING YELLOW ARROW SIGNAL
98-4	YELLOW PHASE TIME
99-1	GAPS FOR PEDESTRIAN CROSSINGS
99-2	SHARE THE ROAD SIGN
99-3	AUDIBLE PEDESTRIAN SIGNAL POLICY
99-4	STOP SIGNS, ALL PLASTIC POLYCARBONATE
99-5	SPEED RADAR ENFORCED COUNTYWIDE
99-6	SAFETY CORRIDOR SIGNS
99-7	ADOPT A HIGHWAY SIGNS
99-8	MUTCD EXPERIMENTAL PROCESS
99-9	LED ENHANCED PAVEMENT MARKERS
99-10	TACTILE PEDESTRIAN INDICATORS
99-11	MUTCD ADOPTION BY CALTRANS
99-12	SPEED STRIPING FOR SMART CROSSWALKS
99-13	ILLUMINATED PAVEMENT MARKERS ON MEDIANS
99-14	COMPRESSED NATURAL GAS SIGNS
99-15	ELECTRIC VEHICLE CHARGING SYMBOL SIGN
99-16	CRENSHAW SAFETY BARRIERS
99-17	INDIAN RESERVATION SIGNS
99-18	GROOUND MOUNTED LED LIGHTS ON STOP BARS

Information Items

99-A	MEXICAN DRIVER COMPRENSION OF U.S. TRAFFIC CONTROL DEVICES
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COMMITTEE ACCOMPLISHMENTS

Item 90-7 The Committee recommended warrants for bicycle signal heads to be used when a separate bicycle signal phase is needed.

Item 96-3 The Committee recommended acceptance of the dynamic illuminating left turn yield sign as an alternate to the current R-73 sign.

Item 98-4 The Suggested Yellow Phase Signal Intervals and the Suggested Detector Setback Table in Chapter 9 of the Traffic Manual had been corrected and converted to metric units. The Committee found a change but that change had been made at a prior time. The Committee agreed with the rational of the change and the revised tables.

Item 99-2 The Committee recommended adoption of the MUTCD approved SHARE THE ROAD plate for roads where motorists share the road with bicycles or golf carts.

Item 99-3 The Committee endorsed CCB Resolution 98B-7 which called for the installation of a pedestrian audible signal on each corner, at which pedestrian crossings are permitted, at any intersection which has an audible signal. The Committee also endorsed the first and third portions of CCB Resolution 98B-16 which reaffirms existing State guidelines and that extensive research be done on technology, prior to changing State standards, to insure equivalent safety and access at signalized crossings. The second portion was endorsed, with the amendment, to have a process for prioritizing the placement of audible pedestrian signals at warranted locations.

Item 99-4 The Committee determined that a plastic polycarbonate STOP sign is a product and not a new device.

Item 99-5 The Committee declined to recommend a SPEED RADAR ENFORCED COUNTY WIDE sign.

Item 99-6 The Committee declined to recommend special signing where organizations and various jurisdictions have adopted a safety corridor approach to reduce accidents. *[Caltrans approved this sign.]*

Item 99-7 The Committee recommend approval of a series of ADOPT A HIGHWAY signs. They declined such a recommendation for the heart shaped insert. No motion was made for the wild flower planting symbol because of a lack of comprehension of the symbol and a question of why a one time task deserves a sign. *[Caltrans approved all the signs.]*

Item 99-9 Notwithstanding laboratory findings to the contrary, the Committee considered an internally illuminated raised pavement marker to be standard. Should the Caltrans laboratory find a problem with a 50 MHz device producing a steady burn or an intensity too high for motorists, then permission to experiment to rectify these problems has been granted to the City of Orange.

Item 99-10 The Committee approved an experiment by the City of Los Angeles to test tactile pedestrian indicators, subject to the concurrence of the California Council for the Blind and the Southern California Association of Orientation and Mobility Specialists.

Item 99-12 The Committee concurred with a Caltrans experiment for special pavement markings across the Pacific Coast Highway designed to slow motorists as they approach crosswalks, and to focus drivers attention on pedestrians.

COMMITTEE ACCOMPLISHMENTS (continued.)

Item 99-13 The Committee concurred with a Caltrans experiment to put internally illuminated steady burn, yellow, raised pavement markers on top of a median barrier. The median barrier is in the Mclure Tunnel in Santa Monica and has an accident history.

Item 99-14 The Committee concurred with changing from the NATURAL GAS plate to CNG and LNG diamond symbol signs, independent of a gasoline pump icon. It further concurred with a revised policy increasing the allowable distance from the freeway to three miles, with appropriate trailblazers.

Item 99-16 Under a Federal mandate to close Crenshaw Blvd in the City of Torrence when there might be releases of toxic material from a plant, Mobil Oil informed the Committee that they were going to use railroad type crossing guards. Although there is no railroad, the consensus of the Committee was not to act on the issue.

Item 99-17 The Committee concurred with changing the Traffic Manual to allow signing to Indian reservations recognized by the Federal government and the proposed signs.

Item 99-18 The Committee approved an experiment by the City of Anaheim to use flashing LEDs on stop bars. The color scheme is to match the yellow and red phases of the traffic signal. The proposed experiment is an attempt to reduce accidents caused by distracted motorists creeping over the stop bar at a theme park.

SUMMARY OF ACCOMPLISHMENTS 1999

- I item carried over from 1990
- I item carried over from 1994
- I item carried over from 1996
- II items carried over from 1998
- XVIII items introduced in 1999
- XX items considered in 1999
- I item not considered in 1999
- XVII items completed in 1999
- II items withdrawn in 1999

ITEMS CARRIED INTO FUTURE YEARS

- Item 94-10 PEDESTRIAN SIGNAL HEAD
- Item 99-1 GAPS FOR PEDESTRIAN CROSSINGS
- Item 99-8 MUTCD EXPERIMENTAL PROCESS

ITEMS WITHDRAWN OR DELETED 1999

- Item 98-2 FLASHING YELLOW ARROW SIGNAL
- Item 99-15 ELECTRIC VEHICLE CHARGING SYMBOL SIGN

ITEMS NOT CONSIDERED 1999

- Item 99-11 MUTCD ADOPTION BY CALTRANS

OTHER ITEMS

- Item 92-22 GOLF CART SYMBOL SIGN
Awaiting symbol sign from FHWA.
- Item 93-18 CROSS WALKS, SEQUENTIAL LIGHTING
Caltrans is conducting further testing.
- Item 96-7 SPEED LIMIT SIGNING
Caltrans is reviewing the Committee's recommendation.

STATUS OF EXPERIMENTAL ITEMS

- Item 90-7 BICYCLE SIGNAL HEADS
Caltrans developing warrants.
- Item 94-10 PEDESTRIAN SIGNAL HEAD
Committee is waiting to obtain various test reports by others.
- Item 96-3 ILLUMINATED LEFT TURN YIELD SIGNS
Caltrans developing Standard Plan.
- Item 97-9 ELECTRIC MESSAGE SIGNS AND ARROW BOARDS
Funding could not be obtained for an independent study. A more modest experiment is underway.

MISCELLANEOUS

Mr. Bruce Carter of Shasta County has retired and is being replaced by Mr. Farhad Mansourian of Marin County. Mr. John Presleigh of Santa Cruz County will become the CSAC alternate representative for Northern California. Capt. Stan Perez has been appointed to represent the California Highway Patrol. Mr. John Wallo of San Luis Obispo County has retired and is being replaced by Mr. Jim Larsen of Tulare County. Mr. John Squier of Los Angeles County will become the CSAC alternate representative for Southern California. Mr. Jack Kletzman of Caltrans is retiring.

CTCDC Agenda, Minutes, Annual Reports, and other information is available on the Internet at "www.dot.ca.gov/hq/traffops" under Signs and Delineation.

Additional information regarding the minutes of the CTCDC meetings held during 1999 may be obtained upon request from the Executive Secretary or any member of the California Traffic Control Devices Committee.

Respectfully submitted,

Jack M. Kletzman
Executive Secretary, CTCDC
(916) 654-4715

SIGN SPECIFICATIONS

All additions, revisions and deletions of approved sign specifications made by Caltrans during 1999, will be distributed under separate cover.

As provided in California Vehicle Code Sections 212400 and 21401, a list of approved signs for use on streets and highways in California is available from the Caltrans Manuals and Publications Unit, 1900 Royal Oaks Drive, Sacramento, CA 95815.